

Amendments to the Claims:

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (original) A power factor controller or corrector in a regulated power supply circuit, which comprises separating load and line regulations in the power supply circuit and providing a $1/x^2$ modulator module for the line regulation in which switching frequency is inversely proportional to the square of the line voltage.
2. (original) A power factor controller or corrector according to claim 1, in which the load regulation is achieved by a $1/v$ pulsewidth generator which generates a pulse duration that is inversely proportional to the voltage from a differential gain circuitry that produces a control voltage which is proportional to the difference between a fraction of output voltage and a fixed reference voltage.
3. (original) A power factor controller or corrector according to claim 2, in which a loop delay is provided between the differential gain circuitry and the $1/v$ pulse generator.
4. (currently amended) A power factor controller or corrector according to claim 1, ~~2 or 3~~, combined with a hybrid power supply having a $1/x$ frequency modulating module, said combination comprising cascading the $1/x^2$ module with the $1/x$ module.
5. (cancelled)
6. (new) A power factor controller or corrector according to claim 2, combined with a hybrid power supply having a $1/x$ frequency modulating module, said combination comprising cascading the $1/x^2$ module with the $1/x$ module.
7. (new) A power factor controller or corrector according to claim 3, combined with a hybrid power supply having a $1/x$ frequency modulating module, said combination comprising cascading the $1/x^2$ module with the $1/x$ module.